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	DESCRIPTIVE REPORT:			
	7494. Sheet No. 2825			
			Asi, in June 28	, -
# 3 .	/ L. / LROALITY			
	Eggenogn Reach 7 :: ungin E. Penobs est Bay			
	8 P 8 7 P			
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C. & G. SURVEY, LIBRARY AND ARCHIVES NOV 2 6 19 10 Add No.

DESCRIPTIVE REPORT TO ACCOMPANY HYD. SHEET NO. 2825

WORK OF THE WIRE DRAG PARTY, Year of 1910.

Work was done in Eggemoggin Reach and upper East Penobscot Bay during the year of 1910, in order to complete the work of preceeding years. Hence it was not done in contiguous territory, but in detatched areas all over this vicinity. Most of the work was done with dragsof 1200 ft., or less, in width; no work being attempted with a greater length than 2000 ft,

THE FOLLOWING SHOALS WERE FOUND: bearings being in degrees true, and distances in meters, unless otherwise stated.

IN THE REACH, below the Narrows at Stave Island, the following:

1. A boulder off White Island; least depth 14 ft. Bearings from
"Bluff" 233° 1150 M.

E. Pt. White Id. 32° 350 M.

Between White and Comary's Ids., 4 shoal spots were found as follows: bearings and distances from Conary Id. /., on highest pt. of Conary's Id.

 2.
 29 ft.lst. depth.
 138°
 1750 M.

 3.
 28 " " " " 138°
 1130 M.

 4.
 20 " " " " 134°
 1050 M.

 5.
 27 " " " " 129°
 840 M.

6. A 20 Ft. spot not far from the charted 4 3/4 fathom spot to the E. of Conary's

Id. Bearings from:
Conary Id. 10 96° 840 M.
W. Pt. White Id. 3° 1500 M.

7. A 32 ft. shoal across the Reach from this No. 6. It is about 70 M. long, with

less than 6 fathoms over it. Bearings from Conary Id. 103° 1570 M.

8.A 25 ft. spot off Babson's Id. Bearings from Conary Id. A 77° 1480 M.

9. A 31 ft. spot lies 200 M. directly toward Conary Id. from No. 8.

٠0١	A shoal with least depth of 12 ft	. lies off Littl	Le Babsons	Id. It is	practic-
	ally a continuation of the ledge	near there, and	runs out	about 200	M. to the
$\sqrt{2}$	Westward of the ledge, and is about Conary Id,	ut 100 M. wide.	Bearings	to the 12 970 M.	ft. spot -
•	Little Torrey Id.	144°	, 	1580 M.	.
	This is nearly at the Westernmost on the ledge mentioned.	Point of the si	uosm.• <i>"</i> uos	bru oi I i	t. was lound

11. A shoal with least depth of 20 ft. was found between Conarys and Torrey Ids. It is about 70 M. long in an E. & W. (mag.) direction, with less than 4 fathoms over it. Bearings from -

it. Bearings from
Conary Id. 328° 1160 M.
L. Torrey Id. 203° 1050 M.

12. A 33 ft. spot lies North (true) of No. 11, at a distance of about 200 M.

13. The shoal marked by Red Buoy, SO, near Torrey's Castle Beacon, was found to be more extensive than charted. The 3 following soundings were taken to losate the 6 fathom curve. Inside of this, it shoals rapidly to 12 ft. Bearings from the above Beacon -

(a) 32 ft. 157° 460 M. (b) 37 " 158° 520 M. (c) 34 " 172° 360 M.

14. A 32 ft. spot was found West of this shoal a short distance. Bearings from the Beacon - 208° 360 M.

15. Across the Reach from the Beacon a rock was found with the following depths on it. Bearings from the Beacon -

 (a)
 17 ft.
 238°
 840 M.

 (b)
 8 "
 237°
 900 M.

 (c)
 2 "
 241°
 930 M.

16. Another rock was found a little father up the Reach, with the following depths.

Bearings from the Beacon -

(a) 7 ft. 276° 1240 M. (b) 15 " 274° 1210 M.

These two rocks are within the charted 3 fathom limit off the Southern shore.

李古牧学

17. Four soundings were taken to locate the 6 fathom curve between the Beacon and

Red	Buoy,	S 6,	.Bearings	s from	the	Beacon	A ,	*		
	(a)		ft.				3140		920	М.
	(b)	35	TT .				3190		1750	M_{\bullet}
	(c)	36	Ħ	, .			3180		2160	Μ.
	(d)	37	11				313°		1970	M.
Bear	ings	fron	Bridges	Point	-					
	(a)		ft.	•			1700		1950	Μ.
200	(b)	35	II .				1870		1250	Μ.
	(c)	36	11			-	206°		1060	Μ.
	(d)	37	1t				200°		1280	Μ.

These soundings were taken along the edge of a mud flat making out from the Northern shore.

18. A shoal was found extending out from the shore about half way to the charted 18 ft, spot lying in Lat. 44°16.2°, Long. 68°38.6°. The following soundings,

with	bear	ings	fro	m Bridges Pt.,	were taken	lo sa .		
	(a)		Ft.			ု စ္ ု	2220	Μ.
7	(b)	17	11		248	٥°	2310	Μ.
	(0)	9	Ħ	entrope Line alse t	249	•	2420	Μ.
	(d)	7	Ħ		Ohy." 248	30	2410	Μ.
Beari	ngs	from	n "F.	Johnson's Ho.	Ohy."		,•	
**	(a)	21	ft.		348	, •	1100	Μ.
	(b)	17	Ħ		343		1080	Μ.
	(0)	9	11		338	30	1120	Μ.
•	(d)	7 .	11	· · · · ·	337	0	1080	М.

19. A shoal with a least depth of 18 ft. was found across the Reach from Tinkers

Ledges. It shoals up regularly from 6 fathoms for 100 M. to 18 ft., and is about

to the 18 ft. spot

70 M. wide. The 18 ft. spot is on the inner end. Bearings, from —
The Highest Point of Stave Id. 84° 1920 M.
Billings 166° 2900 M.

20. A shoal with a least depth of 13 ft. was found off Bayards Pt. It is about 250 M. long in a N. & S. (true) direction, and is about 100 M. wide. The 13 ft. spot is at the Northern end. It drops off is shoal to the shore, from this, but on the ether-side it drops off to 36 ft. at the Southern end. Bearings to the 13

ft. spot from
Stave Id.

Billings ...

209° 2540 M.

22 ft. was found at the Red Buoy, S12, N. E. of here.

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21. A rock with a least depth of 3 1/2 ft. was found in the entrance to Little Deer 10 Isle Harbor. It is on the Eastern end of a ridge of boulders with from 15 to 18.

It. on it, that extends from the inner end edge of "Little Sally" ledge to this

rock. Bearings from Stave Id.
Little Deer Isle 75° 1610 M.

22. A 25 ft. boulder with 32 ft. around it was found off Stave Id. Bearing from - Little Deer Isls / 84° 2200 M.

23. A narrow ridge with 36 ft. 1st. depth was found to the N'ard of this. It runs about N.E. & S. W., and is about 30 M. long. It is surrounded with from 8 to 10 fathoms. Bearing to the N. end, from -

Little Deer Isle 75° 1960 M.

IN THE WESTERN ENTRANCE TO THE REACH, the following shoals were found: 24. A shoal with a least depth of 20 ft. was found across from Howard Ledges. It is

about 80 M. in diameter, drops off gradually to abruptly to 7 ftmss. inshore, and gradually to 6 fthms., off shore. The 6 fathom curve outside of it, lies

about 60 M. from the least depth. Bearings to the 20 ft. spot, from - Billings Mountain 147° 1300 M. Pumpkin Id. Lt. Ho. 91° 3250 M.

25. A 36 ft. spot was found almost in mid-channel, to the N. of Howard Ledges Buoy,

S9, Bearings from - Pumpkin Id. Lt. Ho.

740

1540 M.

最后本本集本至这字宫者本有生的抗技者主要本有生物,是本生的政策者,是由于政策的一个,但由于政策的,但是由于政策的,但是由于政策的,但是由于政策的。 是许可读者于1908年列末中生的一种,但由于1918年的,他们是由于1918年的,1918年的19

26. 27. A shoal with a least depth of 26 ft. was found off the Eastern entrance to Bucks Harbor. It is about 100 M. in diameter with 6 fathoms or less on it and deep wat-

er all around. Bearings from Pumpkin Id. Lt. Ho. 14° 2080 M.
Billings Mtn. 296° 2250 M.

27. A shoal with a least depth of 30 ft. was found to the S.W. ard of this. It is ab about 120 M. long and 50 M. wide, with 5 to 6 fathoms on most of it.

No. 205 Ed. 1-4-10-350,000

27(cont.). Bearing from Pumpkin Id. Lt. Ho. 8° 1480 M.

Four spots with least depths of 27 ft., 32 ft., 36 ft., and 28 ft., were found

to the SouthSard of Thrumbcap Ledge as follows. Bearings and distances from

Pumpkin Id. Lt. Ho.

28.	27 ft	•	2940	1310 -M.
29.	32 ^{ff}	****	2 75 °	1460 M.
30 •	-36 [#]		260°	1160 M.
30· 31.	28 ."	· ·	246 °	1260 M.

32.A shoal with a least depth of 15 ft.was, found in this vicinity. To the 6 fathom

it is about 220 M. long and 50 M. wide. Bearings from Pumpkin Id. Lt. Ho. 260° 1510 M.
Spectacle Id. . 93° 1640 M.

33 ft. was found at the Red Buoy, S14, on Spectacle Id. Ledge.

IN UPPER EAST PENOBSCOT BAY; the following shoals were found:

OFF CAPE ROSIER:

- A large shoal with a least depth of 17 ft. was found lying about 200 M. offshore and to the Eastward of 33. It consists of two parts:
- 34. One has a 17 ft ridge about 80 M. long, running almost N. & S. (mag.). Bearings from Redman Hill 180° 780 M.

 S.W. Pt. Cape Rosier 116° 1250 M.

26 ft. was found 80 M. N.W. (mag.), of the N. end of this ridge, and 36 ft. N.W.xW. (mag.) of the S. end.

35. The other part has a least depth of24 ft. at its Northern end, and runs S.E. xS.

from this for about 100 M., to a depth of 35ft. Bearings to the 24 ft. spot, from Redman Hill 172° 880 M.

S.W. Pt. Cape Rosier 117° 1450 M.

The whole shoal is about 400 M. long in a N.W. & S.E. (mag.), direction, and is about 150 M. wide, with less than 6 fathoms over most of it.

36. A large shoal with a least depth of 13 ft. was found still further toward the East. It is about 150 M. long in a N.E.xE. & S.W.xW.(mag.), direction, and is about 100 M. wide, in with 13 to 18 ft. over most of it. Bearings From -

Redman Hill 140° 1180 M. Spectacle Id. 266° 1650 M.

37. Near Two Rush Id. two shoal spots were found as follows. Bearings from center of Two Bush Id.

> (a) 11 ft. (b) 34

290

100 M. 170 M.

38. South of Pickering Id. a shoal with a least depth of 32 ft. was found. It is about 130 M.long in a N.-& S. direction, and about 50 M. wide, with less than

6 fathoms over most of it. Bearings from -

Eagle Id. Lt. Ho.

4650 M.

S. tip Hog Id.

1320

3350 M.

Just South of Hog Id. a shoal with a least depth of 24 ft. was found. It is about 30 M. long in a N. &S. direction with less than 5 fathoms on it.

Bearings from S. tip Hog Id.

2170

130 M.

40. A large shoal with a least depth of 35 ft. was found about half way from Western Id. to Beech Id. It is about 150 M. in a N. & S. (mag.) direction, and is about 100 M. wide. Bearings from -

Spruce Head /

357°

4500 M.

S. tip Hog Id.

268°

2550 M.

Three Shoals were found to the Westward of Western Id., as follows.

41. A least depth of 28 ft. was found on a shoal 180 meters in a north and south direction: It is about 130 meters wideand has less than 6 fathoms over most of

it. Bearings from-Redman Hill /

213°

2950M.

S. tip Hog Id.

2740

3300 M.

42. A least depth of 23 ft. was found on a shoal 130 M. in a NW & SE. direction

with less than 6 fms. over it. Bearings from-

Redman Hill /

3100 M.

S. tip Hog Id.

2700

3000 M.

43. A least depth of 23 ft. was found on a shoal 170 M. log in an E.& W. direction:

it is 70 M. wide , has less than 6 fms. Bearings -Redman Hill 1 206°

2620 M.

S.tip Hog Id.

2990

29.50 M.

44. Two points on the three fm. curve N. of Western Id. were located , these are just outside of two rocks to be mentioned later. Bearings from -No. 205 Ed. 1-4-10-350,000

44. (cont.)		•
Pond Id. (a) 273° (b) 274°	-0180 10 8 0 M.
N.E. tip of W		230 M.

BARE ROCKS AND LEDGES FOUND.

- 45. The Bhack ledges charted to the Southard of Pond Id. with depths of 5 and 9 ft.

 respectively were found to be dry ledges from 4 to 6 ft. above high water mark.

 They appear on the sheet, their sizes and shapes having been determined by sextant cuts. The Westernmost ledge is 70 M. by 10 M. and stands 4' above high water mark at the center. The central ledge is about 80 M. by 70 M., has two points above high water mark the Southern one standing 6 ' above H.W. mark and the Nothern one 5'. The most Tasterly ledge is about 100 M. by 50 M. and stands 4' above H.W. mark at its Western end. A small rock 2 1/2 ft. above M.L.W. lies just to the T. of this.
- 46. Greene Ledge, to the W. of Western Id. was found to extend N.E., (Mag.) with from the charted ledge for about 150 M. At its Northern end is a boulder standing 2' above M.L.W., between this and the main ledge there is from 4 to 6 ft. of water at M.L.W.
- 47. Between Western Id. and Greene Ledge is another ledge abour 35 M. by 20M. a secttion of it about 40' by 20' is above H.W.mark. Another small rock, bare at H.W. lies 50 M. ENE, (Mag.) of this one.
- 48. Two rocks, one 1/2 ft. above M.L.W, the other 2 1/2 ft. above M.L.W. were locat ed. to the Northard of Western Id? and are noted on the sheet. They lie about 50 M. SW. and 30 M. SSE of the three fm. spots noted under (44).

Hyd. Sh. 2825:1910:

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PLANE TABLE WORK.

Plane table work was done to locate numerous signals throughout the Reach and up the Bay, sma 12 new enes being located and the positions of as many more old ones being checked. Several triangulation stationswere als b recovered.

A sextant cut was also used to locate the shore line on Western Id. just W. of the signal West₂. This shows that a point makes off to the Westward, this chang noted on the sheet.

Eggemoggin Reach, and East Penobscot Bay.

NOV 2 5 19 10

A CONTRACTOR OF THE CONTRACTOR					1 100 20 19 10
Object, and description.	Lat.	D.M.	Long.	D.P.	Aco No. Remarks.
Barn, Hog Id. S.E. Gable	44°17'1	91	68 °47 !	648	Gable nearest the shed: the largest barn - to the westward of house.
Pole, Hog Id.	44°17.1	46	68 °4 71	561	Bottom.
Wharf House, Condon's Pt.	44°184		680471		Peak of Southern Gable.
Witmore's Cottage, Eggemoggin	44°181	954	68 °44 1	32	Peak of Northern Gable.
Derrick, Buck's Harbor. ("RICK")	44°20	1502	68 °43 !	1293	Top of the most prominer derrick.
Easternmost Cottage, Noram- bega. ("NORA")	440191	330	<u>68°431</u>	366	Peak, Southern Gable.
Cupola, white barn near Herrick's Ldg. ("CUP")	44°18!	1739	68°421	525	Ball at top of cupola.
Cottage, Stave Id. ("COT")	440171	582	68°41!	143	Peak, Northern Gable.
Boulder, Cape Carter.	44°16	1162	68°371'	212	Large White boulder near water line. The middle.
Wharf House, above Gray's Cove; Deer Isle. ("END")	44°14!	999	68 ° 36 !	648	Peak, Outermost Gable.

HYDROGRAPHIC SHEET 2825.

DAZDW.

Eggemoggin Reach and Part of East Penobscot Bay, Maine, by Asst. N. H. Heck in 1906, 1909 and 1910.

Mean low water, or plane of reference o	n staff	Center Harbor ft.	1906 Northwest Harbor	1909 Vinal- haven ft. 2.5		1910 - South Brooksville ft. 1.1
Lowest tide observed	an m	0.8	-0.3	-0.1	-0.3	-2.3
, Highest " "	W W	14.9	13.7	14.1	14.2	13.3
Mean range of tide		10.1	10.1	9.4	9.7	10.5

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Acc. No.

HYDROGRAPHIC SHEET NUMBER 2825.

WORK OF THE WIRE DRAG PARTY DURING THE SEASON OF 1910.

Officers besides those mentioned above:

L. M. Fisher, Aid.

D. M. Kyle, Aid.

P. S. Donnell, Aid.

E. E. Reese, Aid.

TIDE GAUGE AT BUCKS HARBOR, MAINE, and at Stonington, Maine.

BUCKS HARBOR.

Staff Reading

Above M. L. W.

Highest Tide Observed----Lowest Tide Observed----********

For Stonington T. G. data, see Hyd. Sheet No.2911.

STATISTICS

East Penobscot Bay, season of 1910 Eggemoggin Reach and

1910 Soundings Drag Drag	}	3				-			
19tter vol Angles number angles Miles longth 19tter vol Angles number angles Miles longth 19tter 19tter	1910				Soundi	ngs		Drag	
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				Grand t	otals				
			Angles		4100				

4100 66 130 3.0 Soundings Sq. miles

C. & G. SURVEY, LIBRARY AND ARCHIVES NOV 2 6 1910 Ago No.

DESCRIPTIVE REPORT TO ACCOMPANY HYD. SHEET NO. 2825.

WORK OF THE WIRE DRAG PARTY, Year of 1910.

Work was done in Eggemeggin Reach and upper East Penebscot Bay during the year of 1910, in order to complete the work of preceeding years. Hence it was not done in contiguous territory, but in detatched areas all over this vicinity. Nost of the work was done with dragsof 1200 ft., or less, in width; no work being attempted with a greater length than 2000 ft.

THE FOLLOWING SHOALS WERE FOUND; bearings being in degrees true, and distances in meters, unless otherwise stated.

IN THE REACH, below the Marrows at Stave Island, the following:

1. A boulder off White Island; least depth 14 ft. Bearings from
**Huff# 233* 1150 N.

E. Pt. White Id. 52* 350 N.

Between White and Commany's Ids., 4 shoal spots were found as follows: bearings and distances from Commany Id. A., on highest pt. of Commany's Id.

2.	29	ft.lst.	depth.	138•	1750 N.
5.	28	# 1	#	138•	1130 N.
44	20			134*	1050 M.
5.	27			1290	840 W.

6. 120 Pt. spot not far from the charted 4 5/4 fathom spot to the E. of Conary's

7. A 32 ft, shoal across the Reach from this No. 6. It is about 70 M. long, with

less than 6 fathems ever it. Bearings from Comary Id. (2) 105° 1570 M.

8. A 25 ft. spot off Babson's Id. Bearings from Conary Id. A 77° 1480 M.

9. A 51 ft. spot lies 200 M. directly toward Commany Id. Afrom No. 8.

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Department of Commerce and Labor

	A shoal with least depth of 12				
	ally a continuation of the ledg	te near there, and	runs out abou	t 200 N. to	the
•	Westward of the ledge, and is	about 100 M. wide.	Bearings to t	the 12 ft. spo	t -
	Conery Id, A Little Torrey Id.	144*	158	ю и.	
	This is nearly at the Westerme	pat Point of the s	hoal. A depth	of 1 ft. was	found

11. A shoal with least depth of 20 ft. was found between Conarys and Torrey Ids. It is about 70 H. long in an E. & W. (mag.) direction, with less than 4 fathoms over

11. Bearings from - 528° 1160 M.
L. Torrey 14. . 205° 1050 M.

12. A 53 ft. spot lies North (true) of No. 11, at a distance of about 200 H.

15. The shoal marked by Red Buoy, 80, near forrey's Castle Beacon, was found to be more extensive than charted. The 5 following soundings were taken to losate the 6 fathom survey Inside of this, it shoals rapidly to 12 ft. Bearings from the above Beacon -

(a) 52 ft. 157° 460 M. (b) 57 ° 158° 520 M. (c) 34 ° 172° 360 M.

14. A 32 ft. spot was found West of this shoal a short distance. Bearings from the Beacon. - 208° 360 H.

15. Across the Reach from the Beacon a rock was found with the following depths on

it. Bearings from the Beasen
(a) 17 ft. 258° 840 M.

(b) 8 ° 237° 900 M.

(c) 2 ° 241° 950 M.

16. Inother rock was found a little father up the Reach, with the following depths.

Bearings from the Beasen - 276* 1240 M. (b) 18 * 274* 1210 M.

These two rocks are within the charted & fathom limit off the Southern shore.

7149

17. Four soundings were taken to locate the 6 fathom surve between the Beacon and

Red Buoy, 86, Bearings from the	Bengon -	
(a) 34 ft.	314°	920 M.
(b) 35 *	319*	1750 N.
(e) 36 °	51.8 •	2160 N.
(d) 37 ·	51.3°	1970 M.
Bearings from Bridges Point -		
(a) 34 ft.	170•	1950 M.
(b) 35 #	187*	1250 V.
(e) 36 ·*	206 •	1060 M.
(d) 37 *	200 *	1280 M.

These soundings were taken along the edge of a mud flat making out from the Northern shore.

18. A shoal was found extending out from the shore about half way to the charted 18 ft, spot lying in Lat. 44°16.2°, Long. 68°38.6°. The following soundings,

with bearings from Bridges Pt.,	were faken -	
(a) 21 Ft.	248*	2220 N.
(b) 17 h	248*	2310 U.
(4) 9 "	249•	2420 H.
(d) 7 ·	248*	2410 N.
Bearings from "F. Johnson's No.	Chr. *	,
(a) 21 /tt.	348 •	1100 H.
(b) 17 ··	343°	1080 M.
(a) 9 · · · ·	538°	1120 N.
(ā) 7 🔅	537°	1080 M.

- 19. A shoal with a least depth of 18 ft. was found across the Reach from Tinkers

 Ledges. It shoals up regularly from 6 fathoms for 100 M. to 18 ft., and is about

 70 M. wide. The 18 ft. spet is on the inner end. Bearings, from

 The Righest Point of Stave Id. 84°

 1920 M.

 Billings 166°

 2900 M.
- 20. A shoal with a least depth of 13 ft. was found off Bayards Pt. It is about 250 M. long in a N. & S. (true) direction, and is about 100 M. wide. The 13 ft. spe is at the Northern end. It drops off is shoal to the shore, from this, but on the other side it drops off to 36 ft. at the Southern end. Bearings to the 13

ft. spet from
Stave Id.

Billings A 209° 2540 N.

22 ft. was found at the Red Buoy, SL2, H. E. of here.

21. A rock with a least depth of 5 1/2 ft. was found in the entrance to Little Deer Isle Harber. It is on the Eastern and of a ridge of boulders with from 17 to 18 ft. on it, that extends from the inner end edge of "Little Sally" ledge to this

rock. Bearings from -Stave Id. Little Deer Isle

3120 75+

390 M. 1610 W.

22. A 25 ft. boulder with 32 ft. around it was found off Stave Id. Bearing from -Little Deer Isla

25. A parrow ridge with 36 ft. Ist. depth was found to the Heard of this. It runs about N.E. & S. W., and is about 30 M. long. It is surrounded with from 8 to 10

fathous. Bearing to the H. and, from -Little Dear Isle

1960 V.

IN THE WESTERN ENTRANCE TO THE REACH, the following shouls were found: 24. A shoal with a least depth of 20 ft. was found agrees from Howard Ledges. It is

about 80 M. in diameter, drops off gradually to abruptly to 7 ftms. inshore, and gradually to 6 fthms., off share. The 6 fathom curve outside of it, lies

about 60 M. from the least depth. Bearings to the 20 ft. spot, from -Billings Mountain 1470 1300 H. Pumpkin Id. Lt. Ho. 910 3250 M.

25. A 36 ft. spot was found almost in mid-shapnel, to the N. of Howard Ledges Buoy,

89. Bearings from -Pumpkin Id. Lt. Ho.

740

1540 M.

Set-garages promotion of the articusts depth-of-the fluores found of fortander-line states to the About-100-No-Ap-diameter--ap-Et-A-Ve-(mage)-direction;-and-about-50-Ne-wide.

Benegage framePanghanghangdespapagespapagespapagespapagespapage

26. 47. A shoal with a least depth of 26 ft. was found off the Eastern entrance to Bucks Harbor. It is about 100 M. in diameter with 6 fathous or less on it and deep wat-

er all around. Bearings from -Pumplin 1471A . Ho.

2080 M.

Hillings What A

296

2250 N.

27. A shoal with a least depth of 20 ft. was found to the S.V. and of this. It is ab about 130 M. long and 50 M. wide, with 5 to 6 fathous on most of it.

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27(cont.). Bearing from Pumpkin Id. Lt. Ho. 80

3° 1480 H.

Four spots with least depths of 27 ft., 32 ft., 36 ft., and 28 ft., were found to the SouthBard of Thrumbeap Ledge as follows. Bearings and distances from

Pumpkin Id. Lt. Ho.

28.	27 ft.	294•	1310 ц.
29.	32 =	275•	1460 M.
30.	36 *	260	1160 м.
31.	28	246	1260 V.

32.4 shoal with a least depth of 15 ft.was lound in this vicinity. To the 6 fathem

it is about 220 M. long and 50 M. wide. Bearings from Pumpkin Id. Lt. He. 260° 1510 M.
Spectacle Id. 50 93° 1640 M.
55 ft. was found at the Red Buoy, 814, on Spectacle Id. Ledge,

IN UPPER HAST PEROBSOOT BAT? the following shoals were found:

OFF CAPE ROSIER:

- 53. A 19 if spot , 110 M. off hm shore, about 550 M. M. of the W. point of the Cape.

 Bearing from Redman H11 2550 1000 M.
- A large shoal with a least depth of 17 ft. was found lying about 200 M. offshore and to the Eastward of 55. It sensists of two parts:
- 54. One has a 17 ft ridge about 80 M. long, running almost N. & S. (mag.).Bearings from Redman Hill 180 780 M.

 S.W. Pt. Cape Region 116 1250 M.

26 ft. was found 80 M. H.W. (mag.), of the H. end of this ridge, and 56 ft. N.W.XW. (mag.) of the B. end.

55. The other part has a least depth of24 ft. at its Northern end, and runs S.E. xS.

from this for about 100 M., to a depth of 55ft. Bearings to the 24 ft. spot, from Redman Hill 172° 880 M.
S.W. Pt. Cape Resier 117° 1450 M.

The whole shoel is about 400 M. long in a M.W. & S.E. (mag.), direction, and is 86. about 150 M. wide, with less than 6 fathous over most of 4t.

36. A large shoul with least depth of 15 ft. was Yound still further toward the East. It is about 150 K. long in a F. E. E. S. S. S. V. XI. (mer.), directly, and is about 100 H. wide, in with 15 to 18 ft. over most of it. Bearings From ...

Redman Hill 140° 1180 H. Spectagle Id. 266° 1680 H.

57. Near Two Bush Id. two shoal spots were found as follows. Bearings from center

of Two Bush Id.

(a) 11 ft. (b) 54 * 14° 29° 100 H.

38. South of Pickering Id. a shoal with a least depth of 32 ft. was found. It is

38. South of Pickering Id. a shoal with a least depth of 32 ft. was found. It is about 180 M.long in a shoal with a least depth of 32 ft. was found. It is

6 fathoms over most of it. Bearings from

Eagle Id. Lt. Ho. S. tip Hog Id.

132

4650 H. 3350 H.

59. Just South of Hog Id. a shoul with a least depth of 24 ft. was found. It is about 50 M. long in a N. &S. direction with less than 5 fathoms on it.

Bearings from S. tip Hog Id.

2170

130 M.

40. A large shoal with a least depth of 35 ft. was found about half way from Western Id. to Beech Id. It is about 150 M. in a M. & S. (mag.) direction, and is about 100 M. wide. Bearings from -

Spruse Head A. S. tip Hog Id.

357° 268° 4500 H.

2550 M.

Three Shoals were found to the Westward of Western Id., as follows.

41. A least depth of 28 ft, was found on a shoul 180 meters in a north and south direction: It is about 130 meters wideand has less than 6 fathoms over most of

it. Bearings from-

Redman Hill 🛕

215

2950M.

8. tip Hog Id.

274

3300 M.

43. A least depth of 23 ft. was found on a shoal 130 M. in a NW & SE. direction

with less than 6 fms. ever it. Bearings from-

Redman Hill 🔼

207

5100 N.

8. tip Hog Id.

270

8000 M.

43. A least depth of 23 ft. was found on a shoul 170 M. law in an E.& W. direction:

it is 70 M. wide , has less than 6 fms. Bearings -

Redman Hill A

206

2630 M.

S.tip Hog Id.

2990

2950 H.

44. Two points on the three fm. curve N. of Western Id. were located , these are just outside of two rocks to be mentioned later. Bearings from -

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44. (cont.)

Pond Id.		
(m)	275*	-0180 10 8 0 N.
(b)	274*	990 M.
N.E. tip of Western Id.	-	;
(a)	8120	230 M.
(b)	355.	190 и.

BARE ROCKS AND LEDGES FOUND.

- 45. The Hback ledges charted to the Southard of Pend Id. with depths of 5 and 9 ft.

 respectively were found to be dry ledges from 4 to 6 ft. above high water mark.

 They appear on the sheet, their sizes and shapes having been determined by sextant cuts. The Westernmost ledge is 70 H. by 10 H. and stands 4' above high water mark at the center. The central ledge is about 80 H. by 70 H., has two points above high water mark the Southern one standing 6 above H.W. mark and the MOthern one 54. The most Easterly ledge is about 100 H. by 50 H. and stands 4' above H.W. mark at its Western and. A small rock 2 1/2 ft. above H.W. lies just to the E. of this.
- 46. Greene Ledge, to the W. of Western Id. was found to extend N.E., (Mag.) with from the charted ledge for about 150 M. At its Morthern and is a boulder standing 8° above N.L.W., between this and the main ledge there is from 4 to 6 f ft. of water at M.L.W.
- 47. Between Western Id. and Greene Ledge is another ledge aboar85 M. by 20M. a sect tion of it about 40° by 20° is above H.W.mark. Another small rosk, bare at H.W. lies 50 M. EHE, (Mag.) of this one.
- 48. Two rocks, one 1/2 Pt. above H.L.W, the other 2 1/2 ft. above H.L.W. were locat ed to the Northard of Western Id? and are noted on the sheet. They lie about 50 H. SW. and 50 H. SSE of the three fm. spots noted under (44).

PLANE TABLE WORK.

Plane table work was done to locate mimerous signals throughout the Reach and up the Bay, sam 12 new enes being located and the positions of as many more old ones being checked. Several triangulation stationswere als b recovered.

A sextant cut was also used to locate the shore line on Western Id. just W. of the signal West, . This shows that a point makes of? to the Westward, this chang noted on the sheet.

PLANE TABLE POSITIONS.

	Entrance of the				λ
Object, and description.	Lat.	D.Y.	Long.	D.P.	Remarks.
Barn, Hog Id S.E. Gable (MEF)	61079	91 21	68*47*	648	Cable nearest the shed; the largest barn - to the westward of house;
Pole, Reg Id. (*POSAM*)	44-27-1	46	68*47*	561	Bettom.
Therf House, Condon's Pt- ("VHARP")	447281		68*67*		Peak of Southern Cable.
Vitnerote Cottago, Bessiogide (VIII)	44*181	954	68*441	52	Peak of Northern Cable.
Decriek, Buck's Marbor. ("RECK")	44*201	1808	68*451	1295	Top of the most promine derrick.
Resterament Dettage, Norma- bega. ("HORA")	44*29*	56	28-421	866	Peak, Southern Gable.
Qupela, white bara near Berrick's Leg. ("CUP")	44*181	1789	68*42*	525	Ball at top of supola.
Collage, Stave Id. (*COT*)	44*27*	888	68-47+	148	Peak, Morthern Gable.
Poulder, Cape Serter. (************************************	44*25*	1162	68*57*	31.3	Large White boulder nest water line. The middle.
Maghe Bouse, above Gray's Over, Lear Isla (*1804)	44.744	.004	65-4861	648	Peak, Outermost Guble.
				<u> </u>	

Ank of 1909 + 1910

Hyd Sheet Its 2826

The soundings on the sheet have been reception and fined concet.

The seconds were lift in a satisfactory manner.

He seconds were lift in a satisfactory manner.

He seconds were lift in a satisfactory manner.

Trocknohic Narrah

An examination was made to determine whether the yacht ATREUS struck a rock in area previously examined with the ships drag. It was found that no shoals of such depth existed except those sharted on which less water was found as seported and published in the Weekly Notice to Mariners.

The wire drag work was extended so as to include area not before examined.



2825

U. S. C. & G. SURVEY, LIBRARY AND ARCHIVES OCT, 18 1906

Loc. No. 2825

Department of Commerce and Labor COAST AND GEODETIC SURVEY

OBTISHMANN Superintendent.

State: Maine

DESCRIPTIVE REPORT.

Hytte Sheet No

Sheet No 2825

LOCALITY:

Eggemoggin Reach and part of East Benobocal Bay Were Drug wars

1906

CHIEF OF PARTY:

n. H. Hear

Department of Commerce and Labor Descriptive Report. Projection no. 4' owne dorny Party.

U. S. C. & G. SURVEY, LIBRARY AND ARCHIVES OCT 18 1906 Acc. No.

The area covered by this sheet counts of East Pendant By and Eggemoggin Reach, from a line connecting bake Rosie, Great Shruce Head and
Dunham's Ot. to devil's Head, Hong I she was consisted in examination
with wire drug to effective debth of 36 ft. at M. a. W. of sell area outside of 8 fm.
owne and certain portions in important Channels, between the 6 fm. and 8 from cures. The worls on this sheet resulted in finding the following so als, the positions of which were reported to Eapt P. a. Welser of 8h. Bushe for further development, in accordance with latter from 8 whentenday duted any 27, 1406 all bearings are true.

1. a shoul I mile NEXN from o stones. Sevet depth found 34 pt.

Clust shows 10 fms. Prince rocks.

2. 318 mile mith of Odlinger. Head depth 34 ft. Chart about 7'4 fus. Extensin of shoul water outside of limits show in chart.

3. a shoul midway between Great Shows Head I and Beach I o. 6 mile south

of O Bevely feas then 36 ft. Prinade ruch, small.

4. One wile south by cast from a west clevet death fund so ft blant shows 7-87 frus. Several privacle rocks

5. a growt of aboutsin entrance to Eggenogin Revel 1-0.6 mile west, 1-0.6 mile WXN, 1-0.8 mile WIVW, from Prophskin dd. L. H. a number of trimades at each. Depth 30-38ft. Chart shows 10- 11 fus.

. 6. a shoul 0. 9 mile north of a Prup 62 hus a less. Churt shows 82-9 plus Several puriels.

7. a shoul 1/2 will NE of & Shee Extension of shoul further to southern then

churter.

8. a shoul. 0.4 mule swoof 0 thing. Anterile of 8hm owne but within limits of work of Sta. Cornlow, and probably bund by her

G. a shook 0.6 mile 5 w of O Ridge. Numerous prinnacle a building 2-34 Churt slus 7 pm.

10. 0.6 mile 55W of a Bridge, fither a boulder or wrick. Along struck at 36 ft, M. M. nothing but charted depth soft botten found with lend line. Were caught a broke.

It he mile North of O Bold, and '10 mile NE of O Dold, apparently a slight extension of self-and winter outside of charted limits

12. "4 mile WXN from O Reve Devenl princeles all less than 6 hours Blant shows.

72 fus.

13. 1/2 mile south of a Bab. a number of bouldes a himself all leas than 36 ft. Alray struck on this shoul three different times

The sheet shows positions of whorks at Egyemoggin, and Blakes Dt. not show in short.

of shown in blook.

No. 808 The results of this survey indicates that the best

(Ed. 11-22-1904-500,000) channel for deep draft ressels entering from westward

is to the northward of West, Pand, and other Ido, to Jun and I'edge Bhound Bury. When midning beloven this bury and Ruch Id., change course so so to leave Bluch Burys Mrs. 17 and 15. close to. Atold course 14 mile often leaving bury mr. 15, then had ENE by course tell to northward of mid closed, ofthe last water is to northward of mid channel. The chart can be purply followed except at the following places. Between Surgent without further brays would be impracticable for a cleek draft such a good both should be given to Red Bury mr. 6 off Bridges Pt. In the southward of Balanis Id care should be taken to been to be suffered to taken to been the southward of Parksanis Id care should be given to the south of the bound of the south of the south of the south of the south, as my shown a clust be seen to these points the chart can be sofely bollowed, as my other dangers to varigative exist,